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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/596,629	03/27/2007	Karlheinz Herbold	034691/313122	8556 .
	7590 01/25/2008	EXAMINER		
ALSTON & BIRD LLP BANK OF AMERICA PLAZA			MILLER, BENA B	
101 SOUTH TRYON STREET, SUITE 4000 CHARLOTTE, NC 28280-4000			ART UNIT	PAPER NUMBER
			3725	
		·		DEL HIEDVA (ODE
•			MAIL DATE	DELIVERY MODE
			01/25/2008	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	I A II C N -					
	Application No.	Applicant(s)				
" Office Action Commonwe	10/596,629	HERBOLD ET AL.				
Office Action Summary	Examiner	Art Unit				
	Bena Miller	3725				
The MAILING DATE of this communication appeariod for Reply	opears on the cover sheet v	with the correspondence address				
A SHORTENED STATUTORY PERIOD FOR REP WHICHEVER IS LONGER, FROM THE MAILING I - Extensions of time may be available under the provisions of 37 CFR 1 after SIX (6) MONTHS from the mailing date of this communication. If NO period for reply is specified above, the maximum statutory perior - Failure to reply within the set or extended period for reply will, by statu Any reply received by the Office later than three months after the mail earned patent term adjustment. See 37 CFR 1.704(b).	DATE OF THIS COMMUN .136(a). In no event, however, may a d will apply and will expire SIX (6) MC tte, cause the application to become A	IICATION. a reply be timely filed DNTHS from the mailing date of this communication. ABANDONED (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on						
2a) ☐ This action is FINAL . 2b) ☑ Th	This action is FINAL . 2b)⊠ This action is non-final.					
3) Since this application is in condition for allow	ance except for formal ma	tters, prosecution as to the merits is				
closed in accordance with the practice under	Ex parte Quayle, 1935 C.	D. 11, 453 O.G. 213.				
Disposition of Claims						
4)⊠ Claim(s) <u>1 and 24-38</u> is/are pending in the ap	oplication.					
4a) Of the above claim(s) is/are withdra	4a) Of the above claim(s) is/are withdrawn from consideration.					
5) Claim(s) is/are allowed.						
6)⊠ Claim(s) <u>1 and 24-38</u> is/are rejected.						
7) Claim(s) is/are objected to.		·				
8) Claim(s) are subject to restriction and	or election requirement.					
Application Papers						
9)☐ The specification is objected to by the Examir	ner.	•				
10) ☐ The drawing(s) filed on is/are: a) ☐ ac	cepted or b) objected to	by the Examiner.				
Applicant may not request that any objection to the						
Replacement drawing sheet(s) including the corre	,					
Priority under 35 U.S.C. § 119						
 12) Acknowledgment is made of a claim for foreig a) All b) Some * c) None of: 1. Certified copies of the priority document 2. Certified copies of the priority document 3. Copies of the certified copies of the priority 	nts have been received. nts have been received in a	Application No				
application from the International Burea						
* See the attached detailed Office action for a lis	st of the certified copies no	t received.				
Attachment(s)						
1) Notice of References Cited (PTO-892)		Summary (PTO-413)				
 Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date 3/27/07 		o(s)/Mail Date Informal Patent Application 				

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DETAILED ACTION

Claim Rejections - 35 USC § 112

The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.

Claims 1 and 24-38 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Regarding claim 1, the claim requires the disks are rotatable with respect to one another about a common axis. However, it is not clear whether the disks are rotatable with respect to one another since one of the disks is fixed. See figure 1 of disclosed invention (Note: disk 2 is fixed). Further, in claim 25, it is not clear whether the two grinding disks are mounted in such a manner that they can rotate counter to one another since one of the disks is fixed.

Regarding claim 24, the claim is vague and indefinite because the claim requires one of the two grinding disk mounted that it cannot rotate and the other grinding disk mounted to rotate. However, claim 1 recites the disks are rotatable with respect to one another about a common axis.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the

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invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 1 and 24-38 are rejected under 35 U.S.C. 103(a) as being unpatentable over Dodd (US Patent 5,467,931) in view of Staver (US Patent 464,592).

Dodd teaches most of the elements of the claimed invention including two grinding disks (fig.1) formed as a ring with a central hole disposed essentially parallel to one another and rotatable with respect to one another about a common axis which. extends through the central holes of the disk (fig.1), a first working surface (28), a second working surface (30) and the first and second working surfaces provided with straight cutting teeth (fig.3). The examiner takes the position that the disks of Dodd are approximately of equal size and equal working surfaces, the outer edge section makes up approximately 30%-70% of radial extension of the grinding disks and the cutting teeth angle of 2 to 40 degrees relative approximately direction. Further, the examiner further takes the position that the disk mill of Dodd is configured for grinding hard materials, minerals, plastics, soft materials, wood pulps and foodstuffs. However, Dodd fails to teach the cutting teeth of the second working surfaces are inclined more sharply than the cutting teeth of the first working surfaces. Staver teaches two companion grinding rings, wherein one is stationary and the other revolving, having a portion of the workings surface (g) with cutting teeth that are inclined more sharply than the cutting teeth of another portion of the working surface (j; fig. 4 and 5). It would have been obvious to one of ordinary skill in the art to have the cutting teeth of the second working surface inclined more sharply, as suggested by Staver, than the cutting teeth of the first

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working surface of Dodd for the purpose of providing a continuous feed, a positive reduction and final finish of the grinded material.

In the event Applicant disagrees with the Examiner's position that Dodd teaches the disks are approximately of equal size and equal working surfaces, the outer edge section makes up approximately 30%-70% of radial extension of the grinding disks and the cutting teeth angle of 2 to 40 degrees relative approximately direction, it would have been obvious to one of ordinary skill in the art to incorporate these features in the device of Dodd for the purpose providing disk with extended wear life.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Bena Miller whose telephone number is 571.272.4427. The examiner can normally be reached on Monday-Friday.

The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Bena Miller

Primary Examiner

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bbm

January 22, 2008